

LEEN HARFOUSH

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EDUCATION

Lebanese American University

B.S. Computer Science, GPA: 3.7

Aug. 2024 – May 2027 (Expected)

Beirut, Lebanon

- Fully Funded USAID Community Service & Engagement Higher Education Scholarship

SKILLS

Languages: Python, Java, C, SQL, JavaScript, TypeScript, PHP

Frameworks & Tools: React, Node.js, Express, NestJS, Tailwind CSS, Git, Linux, Vite

Databases: MySQL, MongoDB

Deployment & ML/NLP: Netlify, Render, Vercel, Railway, scikit-learn, pandas, spaCy, Ollama

Concepts: OOP, Data Structures & Algorithms, REST APIs, WebSockets, JWT, API Documentation

Languages: Arabic (Native), English (Fluent), French (Beginner)

EXPERIENCE

Greateck

Jun. 2026 – Present

Web Developer Intern

Beirut, Lebanon

- Developing and maintaining UI components for a blockchain-enabled web platform (React.js, Next.js), implementing features, debugging, and collaborating via Git/GitHub and Trello.

RESEARCH

Detection of Moral Meaning Loss in Large Language Models

Jan. 2026 – May 2026

Research Member / LAU

Beirut, Lebanon

- Proposed the Epistemic Fidelity Score (EFS), an NLP metric detecting semantic distortion in LLM outputs across four linguistic dimensions; built a pipeline using 3 LLMs, feature deltas, and ridge regression on 900 annotated samples.

Tech: Python, spaCy, VADER, NRC Emotion Lexicon, scikit-learn, Ollama, pandas

PROJECTS

BingeBoard: Movie & TV Tracker

Jan. 2026 – Apr. 2026

- Built a full-stack movie and TV tracking app with JWT auth, personalized watchlists, role-based access control, and security middleware.

Tech: React, Vite, Tailwind, Node.js, Express, MongoDB, JWT, bcryptjs

BuzzMate: Matchmaking System

Jan. 2026 – Apr. 2026

- Built a full-stack matchmaking app with real-time end-to-end encrypted messaging via WebSockets and automated date scheduling via Google Calendar API, following structured engineering practices across a multi-person team.

Tech: Node.js, NestJS, Socket.IO, MySQL, Tailwind, JavaScript, Google Calendar API

PROFESSIONAL DEVELOPMENT

Forward MENA Junior-to-Mid Developer Cohort

May 2026 – Present

Participant

Beirut, Lebanon

- Selected for an intensive SWE cohort covering LLM-powered app development, DevOps, CI/CD, and cloud deployment, frontend, backend, and APIs.

VOLUNTEERING

MMKN STEM Teacher | Lebanese Red Cross Youth Department | InnovaThrive Researcher | Ahla Fawda Recycling Volunteer | LAU ISP Buddy Program